

18 ZETTABYTES

total data created, captured or replicated so far

175 ZETTABYTES

2.5 QUINTILLION

total data market size to touch by 2025

data created each day at our current pace

40,000

searches by processed by Google every second

90%

1.5 BILLION

of this data generated in last two years

people active on Facebook every day

66%

of the world's population now own a mobile phone

THE WORLD IS AWASH WITH DATA TODAY

WHAT DOES RESPONSIBLE DATA PROTECTION POLICY ENTAIL?



Judicious
balance between
national security
and individual
privacy



Data **security from hackers** and malicious elements



Access to data at all times, including wars times



Prevention of misuse of data by profiteering entities



Facilitating data economy with free flow of data with guidelines and protocols

WHAT THE DATA PROTECTION PILLARS MEAN?

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National Security
Principle factor
in a national
data policy
regarding the
collection,
storage or
dissemination

Data Sovereignty
Idea that data is
subject to the laws
and governance
structures within
the nation it is
collected

Data Safety
Addresses the
security of data
generated in a
country- where it
is stored, how
safely it is stored,
who it is shared
with etc

Data Localization
Storing data on a
device that is
physically present
within the borders
of a specific country
where it was
generated

Data privacy
Concerned with
the proper
handling of data
– consent,
notice, and
regulatory
obligations

WHY THE RAGING DEBATE ON DATA PRIVACY?

HOW OUR PRIVACY IS BEING INFRINGED?

- → Android phones have access to all private data
- → Apps surreptitiously gaining access to this data
- → Cars collecting data for our driving patterns
- → Laptops/phones recording videos without permission
- → 24x7 location tracking





- → Our voting patterns
- → Social media feeds
- → Online buying
- → Insurance choices

DATA PROTECTION LAWS ACROSS THE WORLD

58%

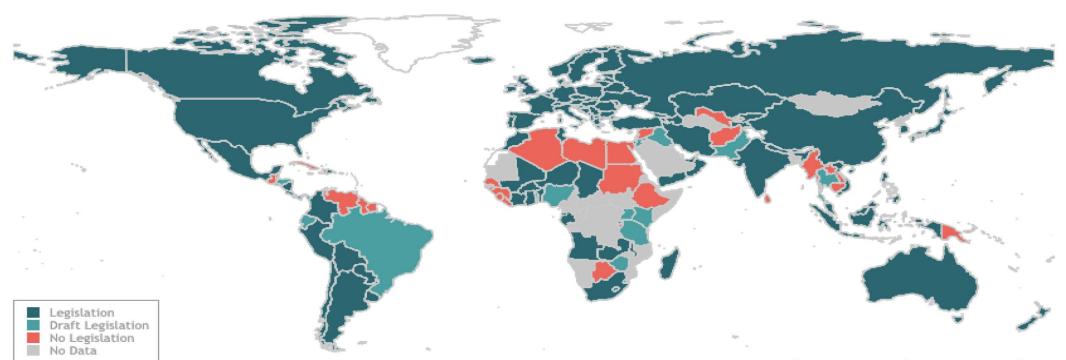
COUNTRIES WITH **LEGISLATION**

10%

COUNTRIES WITH **DRAFT LEGISLATION**

21%

COUNTRIES WITH NO LEGISLATION



Source: UNCTAD, 27/03/2019

WHAT IS THE ROLE OF NATIONAL GEOSPATIAL AGENCIES?

NGAs should be part of talks with govts, civil society and businesses

Geospatial information have for long been considered integral part of national security

Growth in location data and its value making it an important aspect

Pervasiveness of location/geospatial data in business and governance data

Non-geospatial agencies don't usually understand use and value of spatial data

Often leads to policies that hinders growth of geospatial as well as user industries

THANK YOU!